

# Colorimetric Report

## Page (1/5)



CCalc 2.4  
Copyright © 2018, Denis Freund  
All Rights Reserved  
lic. for PRAD ProAdviser

|                  |                                         |
|------------------|-----------------------------------------|
| Date             | Saturday, September 26, 2020            |
| Tester           | Manuel Findeis                          |
| Display          | LG 32UN880                              |
| Sensor           | X-Rite i1 Display Pro (Corr.: WLED, XR) |
| Testchart        | In accordance with ISO 12646:2007 (1)   |
| Target           | DCI-P3 RGB                              |
| Display Profile  | Not considered                          |
| Rendering Intent | -                                       |

(1) Five equally spaced code values for each channel

|                                     |                     |
|-------------------------------------|---------------------|
| White Point (CCT)                   | 6583 Kelvin         |
| White Point XYZ (normalized)        | 94.56 100.00 109.26 |
| DeltaE to D50/ D65                  | 19.88/ 0.89         |
| Assumed Target Whitepoint (2)       | 6600 Kelvin         |
| DeltaE to Assumed Target Whitepoint | 0.97                |
| Brightness                          | 347.82 cd/m²        |
| Black Point                         | 0.30 cd/m²          |
| Contrast (x:1)                      | 1159:1              |
| Gradation (Average)                 | 2.13                |

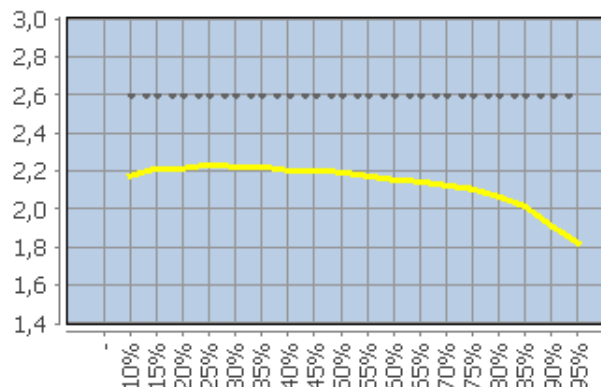
(2) Daylight

|  | Percent     | Kelvin | Delta C | Delta E | Gamma |
|--|-------------|--------|---------|---------|-------|
|  | 5           | -      | -       | -       | -     |
|  | 10          | 6755   | 1.11    | 4.10    | 2.17  |
|  | 15          | 6486   | 0.95    | 6.24    | 2.21  |
|  | 20          | 6419   | 0.90    | 6.72    | 2.21  |
|  | 25          | 6423   | 0.97    | 6.68    | 2.23  |
|  | 30          | 6449   | 0.70    | 6.78    | 2.22  |
|  | 35          | 6509   | 0.31    | 6.62    | 2.22  |
|  | 40          | 6533   | 0.26    | 6.77    | 2.20  |
|  | 45          | 6580   | 0.23    | 6.46    | 2.20  |
|  | 50          | 6574   | 0.04    | 6.30    | 2.19  |
|  | 55          | 6559   | 0.24    | 6.22    | 2.17  |
|  | 60          | 6563   | 0.19    | 5.90    | 2.15  |
|  | 65          | 6559   | 0.25    | 5.46    | 2.14  |
|  | 70          | 6560   | 0.20    | 4.97    | 2.12  |
|  | 75          | 6562   | 0.32    | 4.47    | 2.10  |
|  | 80          | 6560   | 0.30    | 3.84    | 2.07  |
|  | 85          | 6565   | 0.25    | 3.22    | 2.02  |
|  | 90          | 6557   | 0.29    | 2.57    | 1.91  |
|  | 95          | 6565   | 0.16    | 1.52    | 1.82  |
|  | 100 (3)     | 6582   | -       | -       | -     |
|  | Average (4) | -      | 0.39    | 5.34    | 2.13  |
|  | Maximum (4) | -      | 0.97    | 6.78    | -     |
|  | Range (4)   | -      | 1.22    | -       | -     |

(3) Visual adaptation to display whitepoint is assumed

(4) Only luminance > 1% considered

### Corresponding Gamma



# Colorimetric Report

## Page (2/5)



CCalc 2.4  
Copyright © 2018, Denis Freund  
All Rights Reserved  
lic. for PRAD ProAdviser

|                  |                                         |
|------------------|-----------------------------------------|
| Date             | Saturday, September 26, 2020            |
| Tester           | Manuel Findeis                          |
| Display          | LG 32UN880                              |
| Sensor           | X-Rite i1 Display Pro (Corr.: WLED, XR) |
| Testchart        | In accordance with ISO 12646:2007 (1)   |
| Target           | DCI-P3 RGB                              |
| Display Profile  | Not considered                          |
| Rendering Intent | -                                       |

(1) Five equally spaced code values for each channel

|  | RGB        | Delta C | Delta H | Delta L | Delta E94 |
|--|------------|---------|---------|---------|-----------|
|  | 0 0 0      | 1.18    | 0.00    | 0.78    | 1.41      |
|  | 0 0 63     | 12.00   | 4.85    | 1.19    | 6.14      |
|  | 0 0 127    | 13.07   | 4.22    | 0.49    | 3.61      |
|  | 0 0 191    | 14.54   | 6.36    | 1.43    | 3.77      |
|  | 0 0 255    | 13.67   | 8.74    | 4.26    | 5.46      |
|  | 0 63 0     | 5.59    | 2.56    | 6.01    | 6.52      |
|  | 0 63 63    | 1.52    | 0.25    | 6.04    | 6.10      |
|  | 0 63 127   | 0.88    | 0.87    | 4.66    | 4.69      |
|  | 0 63 191   | 2.44    | 1.01    | 2.25    | 2.34      |
|  | 0 63 255   | 2.20    | 3.50    | 0.98    | 1.59      |
|  | 0 127 0    | 0.84    | 2.29    | 6.05    | 6.13      |
|  | 0 127 63   | 0.15    | 1.99    | 6.28    | 6.36      |
|  | 0 127 127  | 0.96    | 0.38    | 6.00    | 6.01      |
|  | 0 127 191  | 2.10    | 3.25    | 4.94    | 5.33      |
|  | 0 127 255  | 7.94    | 3.77    | 2.88    | 3.69      |
|  | 0 191 0    | 3.14    | 2.74    | 4.91    | 5.03      |
|  | 0 191 63   | 4.23    | 3.39    | 5.06    | 5.27      |
|  | 0 191 127  | 3.00    | 1.84    | 4.97    | 5.09      |
|  | 0 191 191  | 0.76    | 0.70    | 4.50    | 4.52      |
|  | 0 191 255  | 4.18    | 6.60    | 3.35    | 5.08      |
|  | 0 255 0    | 10.01   | 3.61    | 1.71    | 2.37      |
|  | 0 255 63   | 11.56   | 4.89    | 1.75    | 2.76      |
|  | 0 255 127  | 10.97   | 4.69    | 1.71    | 2.92      |
|  | 0 255 191  | 8.01    | 3.55    | 1.45    | 2.61      |
|  | 0 255 255  | 3.93    | 0.56    | 0.73    | 1.25      |
|  | 63 0 0     | 6.94    | 1.57    | 3.82    | 5.02      |
|  | 63 0 63    | 8.23    | 0.41    | 3.97    | 5.02      |
|  | 63 0 127   | 11.15   | 4.52    | 2.26    | 4.08      |
|  | 63 0 191   | 12.90   | 6.89    | 0.07    | 3.48      |
|  | 63 0 255   | 12.07   | 9.31    | 3.18    | 4.72      |
|  | 63 63 0    | 5.88    | 1.00    | 6.49    | 7.00      |
|  | 63 63 63   | 1.06    | 0.14    | 6.57    | 6.65      |
|  | 63 63 127  | 1.45    | 1.78    | 5.38    | 5.50      |
|  | 63 63 191  | 2.35    | 2.84    | 3.08    | 3.34      |
|  | 63 63 255  | 1.45    | 4.76    | 0.15    | 1.67      |
|  | 63 127 0   | 1.00    | 0.24    | 6.52    | 6.52      |
|  | 63 127 63  | 2.11    | 0.16    | 6.75    | 6.77      |
|  | 63 127 127 | 1.48    | 0.22    | 6.47    | 6.51      |
|  | 63 127 191 | 3.07    | 1.01    | 5.41    | 5.54      |
|  | 63 127 255 | 8.40    | 1.78    | 3.38    | 3.87      |
|  | 63 191 0   | 4.63    | 0.75    | 5.21    | 5.26      |
|  | 63 191 63  | 6.10    | 1.51    | 5.35    | 5.49      |
|  | 63 191 127 | 4.91    | 0.87    | 5.28    | 5.41      |
|  | 63 191 191 | 2.60    | 0.52    | 4.80    | 4.88      |
|  | 63 191 255 | 5.62    | 5.10    | 3.67    | 4.93      |
|  | 63 255 0   | 11.51   | 1.74    | 1.85    | 2.41      |
|  | 63 255 63  | 13.38   | 3.19    | 1.89    | 2.77      |

# Colorimetric Report

## Page (3/5)



CCalc 2.4  
Copyright © 2018, Denis Freund  
All Rights Reserved  
lic. for PRAD ProAdviser

|                  |                                         |
|------------------|-----------------------------------------|
| Date             | Saturday, September 26, 2020            |
| Tester           | Manuel Findeis                          |
| Display          | LG 32UN880                              |
| Sensor           | X-Rite i1 Display Pro (Corr.: WLED, XR) |
| Testchart        | In accordance with ISO 12646:2007 (1)   |
| Target           | DCI-P3 RGB                              |
| Display Profile  | Not considered                          |
| Rendering Intent | -                                       |

(1) Five equally spaced code values for each channel

|  | RGB         | Delta C | Delta H | Delta L | Delta E94 |
|--|-------------|---------|---------|---------|-----------|
|  | 63 255 127  | 12.83   | 3.47    | 1.86    | 3.01      |
|  | 63 255 191  | 9.93    | 2.90    | 1.60    | 2.84      |
|  | 63 255 255  | 5.52    | 0.41    | 0.88    | 1.68      |
|  | 127 0 0     | 4.27    | 1.67    | 2.64    | 2.98      |
|  | 127 0 63    | 5.29    | 6.60    | 2.84    | 4.88      |
|  | 127 0 127   | 10.20   | 0.08    | 2.37    | 3.43      |
|  | 127 0 191   | 11.17   | 4.86    | 0.89    | 2.94      |
|  | 127 0 255   | 9.57    | 8.75    | 1.72    | 3.66      |
|  | 127 63 0    | 1.36    | 2.89    | 5.07    | 5.31      |
|  | 127 63 63   | 1.39    | 2.36    | 5.24    | 5.47      |
|  | 127 63 127  | 2.84    | 0.25    | 4.74    | 4.82      |
|  | 127 63 191  | 3.35    | 3.03    | 3.24    | 3.56      |
|  | 127 63 255  | 1.36    | 6.01    | 0.62    | 2.21      |
|  | 127 127 0   | 1.15    | 2.34    | 6.26    | 6.37      |
|  | 127 127 63  | 1.80    | 1.54    | 6.49    | 6.58      |
|  | 127 127 127 | 0.07    | 0.04    | 6.26    | 6.26      |
|  | 127 127 191 | 2.79    | 1.00    | 5.40    | 5.51      |
|  | 127 127 255 | 7.95    | 1.55    | 3.61    | 4.02      |
|  | 127 191 0   | 4.56    | 0.40    | 5.24    | 5.31      |
|  | 127 191 63  | 5.93    | 0.85    | 5.42    | 5.55      |
|  | 127 191 127 | 4.71    | 0.00    | 5.35    | 5.51      |
|  | 127 191 191 | 3.14    | 0.38    | 4.89    | 5.08      |
|  | 127 191 255 | 7.28    | 1.93    | 3.84    | 4.64      |
|  | 127 255 0   | 12.45   | 0.55    | 1.99    | 2.59      |
|  | 127 255 63  | 14.44   | 0.68    | 2.04    | 2.89      |
|  | 127 255 127 | 14.03   | 1.22    | 2.02    | 3.18      |
|  | 127 255 191 | 11.31   | 1.47    | 1.77    | 3.20      |
|  | 127 255 255 | 7.28    | 0.24    | 1.08    | 2.42      |
|  | 191 0 0     | 0.65    | 4.35    | 1.12    | 2.08      |
|  | 191 0 63    | 0.40    | 10.21   | 1.28    | 4.73      |
|  | 191 0 127   | 7.64    | 6.50    | 1.14    | 3.61      |
|  | 191 0 191   | 10.13   | 0.00    | 0.38    | 1.90      |
|  | 191 0 255   | 8.20    | 6.07    | 1.39    | 2.78      |
|  | 191 63 0    | 2.87    | 0.33    | 2.94    | 3.00      |
|  | 191 63 63   | 4.26    | 5.61    | 3.11    | 4.17      |
|  | 191 63 127  | 1.79    | 4.88    | 2.94    | 3.82      |
|  | 191 63 191  | 4.29    | 0.19    | 2.14    | 2.31      |
|  | 191 63 255  | 2.10    | 4.92    | 0.34    | 1.82      |
|  | 191 127 0   | 6.37    | 3.87    | 4.89    | 5.33      |
|  | 191 127 63  | 6.70    | 2.23    | 5.09    | 5.49      |
|  | 191 127 127 | 3.91    | 1.07    | 5.00    | 5.26      |
|  | 191 127 191 | 2.22    | 0.19    | 4.37    | 4.42      |
|  | 191 127 255 | 6.46    | 2.78    | 2.98    | 3.46      |
|  | 191 191 0   | 5.13    | 3.22    | 4.64    | 4.90      |
|  | 191 191 63  | 6.16    | 3.03    | 4.81    | 5.16      |
|  | 191 191 127 | 3.80    | 1.44    | 4.76    | 5.01      |
|  | 191 191 191 | 0.16    | 0.03    | 4.37    | 4.38      |

# Colorimetric Report

## Page (4/5)



CCalc 2.4  
Copyright © 2018, Denis Freund  
All Rights Reserved  
lic. for PRAD ProAdviser

|                  |                                         |
|------------------|-----------------------------------------|
| Date             | Saturday, September 26, 2020            |
| Tester           | Manuel Findeis                          |
| Display          | LG 32UN880                              |
| Sensor           | X-Rite i1 Display Pro (Corr.: WLED, XR) |
| Testchart        | In accordance with ISO 12646:2007 (1)   |
| Target           | DCI-P3 RGB                              |
| Display Profile  | Not considered                          |
| Rendering Intent | -                                       |

(1) Five equally spaced code values for each channel

|  | RGB             | Delta C | Delta H | Delta L | Delta E94 |
|--|-----------------|---------|---------|---------|-----------|
|  | 191 191 255     | 6.96    | 1.03    | 3.45    | 4.25      |
|  | 191 255 0       | 11.50   | 0.62    | 1.79    | 2.45      |
|  | 191 255 63      | 13.41   | 0.13    | 1.84    | 2.78      |
|  | 191 255 127     | 12.76   | 0.09    | 1.82    | 3.12      |
|  | 191 255 191     | 9.72    | 0.03    | 1.60    | 3.24      |
|  | 191 255 255     | 6.20    | 0.12    | 0.94    | 2.80      |
|  | 255 0 0         | 6.33    | 7.32    | 1.60    | 3.05      |
|  | 255 0 63        | 6.77    | 13.66   | 1.54    | 5.38      |
|  | 255 0 127       | 1.49    | 13.07   | 1.53    | 5.50      |
|  | 255 0 191       | 7.16    | 7.56    | 1.88    | 3.70      |
|  | 255 0 255       | 7.35    | 0.17    | 3.05    | 3.25      |
|  | 255 63 0        | 9.89    | 4.01    | 0.19    | 1.99      |
|  | 255 63 63       | 10.44   | 9.30    | 0.08    | 3.91      |
|  | 255 63 127      | 3.31    | 10.61   | 0.08    | 4.46      |
|  | 255 63 191      | 2.30    | 6.83    | 0.49    | 2.82      |
|  | 255 63 255      | 2.23    | 0.06    | 1.66    | 1.69      |
|  | 255 127 0       | 14.66   | 3.06    | 2.20    | 3.37      |
|  | 255 127 63      | 14.46   | 0.77    | 2.35    | 3.56      |
|  | 255 127 127     | 10.59   | 3.65    | 2.33    | 3.81      |
|  | 255 127 191     | 5.66    | 4.58    | 1.96    | 3.21      |
|  | 255 127 255     | 6.37    | 0.31    | 0.93    | 1.53      |
|  | 255 191 0       | 10.93   | 7.88    | 2.85    | 4.47      |
|  | 255 191 63      | 12.12   | 6.90    | 2.98    | 4.70      |
|  | 255 191 127     | 10.12   | 4.01    | 2.97    | 4.58      |
|  | 255 191 191     | 7.14    | 0.79    | 2.67    | 3.89      |
|  | 255 191 255     | 7.89    | 0.13    | 1.89    | 3.03      |
|  | 255 255 0       | 11.75   | 4.04    | 0.69    | 2.33      |
|  | 255 255 63      | 13.59   | 4.14    | 0.71    | 2.75      |
|  | 255 255 127     | 12.15   | 2.99    | 0.70    | 3.02      |
|  | 255 255 191     | 7.50    | 1.32    | 0.50    | 2.81      |
|  | 255 255 255 (1) | -       | -       | -       | -         |
|  | Average (2)     | 6.38    | 0.00    | 3.05    | 4.09      |
|  | Maximum (2)     | 14.66   | 13.66   | 6.75    | 7.00      |

(1) Visual adaptation to display whitepoint is assumed; CIELAB reference values are adapted (Bradford transformation) to display whitepoint  
(2) Without Black

|             |                         |
|-------------|-------------------------|
| Color Space | Gamut Volume CIELAB D50 |
| DCI-P3 RGB  | 89%                     |

# Colorimetric Report

## Page (5/5)



CCalc 2.4  
Copyright © 2018, Denis Freund  
All Rights Reserved  
lic. for PRAD ProAdviser

|                  |                                         |
|------------------|-----------------------------------------|
| Date             | Saturday, September 26, 2020            |
| Tester           | Manuel Findeis                          |
| Display          | LG 32UN880                              |
| Sensor           | X-Rite i1 Display Pro (Corr.: WLED, XR) |
| Testchart        | In accordance with ISO 12646:2007 (1)   |
| Target           | DCI-P3 RGB                              |
| Display Profile  | Not considered                          |
| Rendering Intent | -                                       |

(1) Five equally spaced code values for each channel

| Property             | Device adjustments |
|----------------------|--------------------|
| Backlight brightness |                    |
| Brightness           |                    |
| Contrast             |                    |
| RGB Gain             |                    |
| Gradation            |                    |
| Other                |                    |